Controller - ILC 200 UNI-PAC - 2862291

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Inline controller with an INTERBUS local bus interface for the Inline installation system, with programming facility in acc. with IEC 61131-3, complete with accessories (connector and labeling field)

Product description

Inline controller
ILC 200 UNI transforms every Inline station into a distributed functional unit. ILC 200 UNI is installed below an Inline bus coupler (INTERBUS, PROFIBUS, DeviceNet™, Ethernet...). It then controls all the signals of the Inline station in every fieldbus system. This ensures maximum independence from the higher-level fieldbus system.
The functions which can be executed on ILC 200 UNI range from emergency operation functions in the event of a failure of the higher-level fieldbus, to redundancy functions and process data preprocessing, through to the distributed functional unit.
Plant engineering with its constantly changing customer requirements regarding both the fieldbus system and centralized control systems is the main field of application. ILC 200 UNI makes it possible to use identical functional units even when the higher-level fieldbus changes. This saves costs during plant engineering and at startup.
Direct fast inputs and outputs which can be used flexibly in different operating modes such as interrupt input, event counting and pulse generation ensure short response times on site.
All programming of the Inline controller is carried out with PC WORX, the automation software according to IEC 61131.

Product Features

- Fast inputs for interrupt processing, event counting, and period measurement
- 24 V high-speed outputs for pulse width modulation

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	440.0 GRM
Custom tariff number	85371091
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

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Technical data

Dimensions

Width	73 mm
Height	140.5 mm
Depth	71.5 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 75 °C
Permissible humidity (operation)	5 % ... 85 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 85 % (non-condensing)
Air pressure (operation)	70 kPa ... 108 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above mean sea level)
Shock	25g, Criterion 1, according to IEC 60068-2-27
Vibration (operation)	2g, criterion 1 according to IEC 60068-2-6

Control system

Programming tool	PC WORX
Diagnostics tool	DIAG+ from version 1.14

Mechanical design

Weight	260 g

Data interfaces

Interface	INTERBUS local bus (master)
Connection method	Inline data jumper
Transmission speed	500 kBaud / 2 MBaud umschaltbar
Interface	Higher-level INTERBUS local bus (slave)
Connection method	Inline data jumper
Interface	Parameterization/operation/diagnostics
Connection method	RS-232-C, 6-pos. MINI-DIN socket (PS/2)
Transmission speed	19200 Baud

Power supply

Typical current consumption	250 mA (no local bus device connected during idling, bus inactive)
Supply voltage	7.5 V DC (the power supply comes from the upstream bus coupler)
Supply voltage range	19.2 V DC ... 30 V DC
Residual ripple	±5 %
Power dissipation	
Max. total permissible current consumption of all I/O terminal blocks	Communications power (7,5 V DC) the power supply comes from the upstream bus coupler

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Technical data

Power supply

	Analog supply (24 V DC) = 0.5 A

Fieldbus function

Amount of process data	max. 4096 Bit (INTERBUS-Master)
	192 Bit (INTERBUS-Slave)
Number of parameter data	max. 8 Byte (configurable)
Number of supported devices	max. 512
Number of local bus devices that can be connected	max. 63 (observe current consumption)
Number of devices with parameter channel	max. 62
Number of branch terminals with remote bus branch	max. 15
Module classification	INTERBUS master
Processing speed	1.3 ms

Direct I/Os

Input name	Digital inputs
Number of inputs	4
Connection method	Inline potential distributor
Description of the input	Interrupt input, fast counter, pulse generator
Output name	Digital outputs
Number of outputs	2
Connection method	2, 3, 4-wire
Maximum output current per channel	500 mA
Number of pulse direction outputs	2
Limit frequency	20 kHz
Number of inputs	4
Input frequency	40 kHz

IEC 61131 runtime system

Programming tool	PC WORX
Processing speed	1.3 ms (1 K bit instructions)
Program memory	typ. 384 kByte (32 K instructions (IL))
Mass storage	330 kByte
Retentive mass storage	8 kByte (NVRAM)
Number of data blocks	depends on mass storage
Number of timers, counters	depends on mass storage
Number of control tasks	8
Realtime clock	Integrated (battery backup)

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Classifications

eCl@ss

eCl@ss 4.0	27250203
eCl@ss 4.1	27240601
eCl@ss 5.0	27242215
eCl@ss 5.1	27242207
eCl@ss 6.0	27242207
eCl@ss 7.0	27242207

ETIM

ETIM 2.0	EC000236
ETIM 3.0	EC000236
ETIM 4.0	EC000236
ETIM 5.0	EC000236

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172018
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

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UL Recognized / cUL Recognized / GOST / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

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Approvals

cUL Recognized

GOST

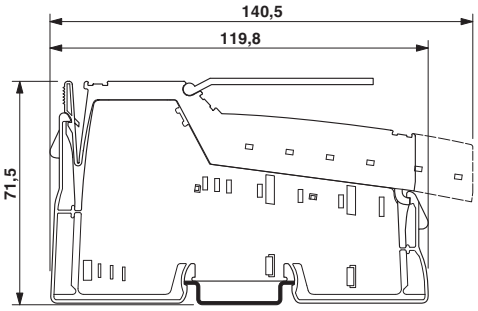
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Drawings

Dimensioned drawing



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